Labidosaurus

Labidosaurus is an extinct genus of anapsid reptile from the Permian period of North America. Fossils have been discovered in Texas.

It was heavily built, resembling a lizard with a large head, and measuring about 75 centimetres (30 in) long. Unlike many other captorhinids it had a single row of sharp, conical teeth in its jaws, and its dietary habits are assumed to have been omnivorous.[1]

Labidosaurus hamatus fossil

A lower jaw of *Labidosaurus* was described in 2011 that shows evidence of osteomyelitis, or an infection of the bone. It is the earliest known example of an infection in a land vertebrate. The infection probably developed because the pulp cavity of a broken dentary tooth was exposed to bacteria. Although another tooth would have replaced the broken one, regeneration would have been slow. *Labidosaurus* and other derived captorhinids had teeth that were deeply implanted in the jaws. This deep implantation limited tooth replacement, meaning that a broken tooth would have been exposed for a long period of time.[2]

Labidosaurus	
Temporal range: Early Permian	
Life restoration	
Scientific classification	
Kingdom:	Animalia
Phylum:	Chordata
Class:	Reptilia
Family:	†Captorhinidae
Genus:	†*Labidosaurus* Cope, 1896
Species:	†***L. hamatus***
Binomial name	
†***Labidosaurus hamatus*** (Cope, 1895)	

References

1. Modesto, Sean P.; Scott, Diane M.; Berman, David S.; Müller, Johannes; Reisz, Robert R. (2007). "The skull and the paleoecological significance of *Labidosaurus hamatus*, a captorhinid reptile from the Lower Permian of Texas" (https://doi.org/10.1111/j.1096-3642.2007.00242.x). *Zoological Journal of the Linnean Society*. **149** (2): 237–62. doi:10.1111/j.1096-3642.2007.00242.x (https://doi.org/10.1111%2Fj.1096-3642.2007.00242.x).
2. Reisz, Robert R.; Scott, Diane M.; Pynn, Bruce R.; Modesto, Sean P. (2011). "Osteomyelitis in a Paleozoic reptile: ancient evidence for bacterial infection and its evolutionary significance". *Naturwissenschaften*. **98** (6): 551–5. doi:10.1007/s00114-011-0792-1 (https://doi.org/10.1007%2Fs00114-011-0792-1).

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